

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors:

Jun CHENG, et al.

Application No.:

New PCT National Stage Application

Filed:

January 11, 2006

For:

WIRELESS TRANSMISSION APPARATUS AND MODULATION

SCHEME SELECTION METHOD

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents Washington, DC 20231

Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. Copies of the art cited in the International Search Report (ISR), which issued by the JPO, are made available to the U.S. examiner in the national stage application, pursuant to MPEP 1893.03(g), and therefore copies of such art are not submitted herewith. The art cited in the ISR is listed on the attached PTO-1449 for an indication of consideration by the examiner. Copies of any other references listed on the PTO-1449, besides those cited in the ISR, are submitted herewith. The H. MATSUOKA, et al. and JP '032 documents are discussed in the present application at page 2, line 1, et seq. The following are English equivalents to foreign patent documents: US262/JP531, US646/JP043, US934/JP164, US165/JP517 and US172/JP958.

Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see <u>Beckman Instruments</u>, <u>Inc. v. Chemtronics</u>, <u>Inc.</u>, 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

indubates estat 11 JAN 2006

Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

Date: January 11, 2006

James E. Ledbetter Registration No. 28,732

JEL/spp

ATTORNEY DOCKET NO. L9289.05205

STEVENS, DAVIS, MILLER & MOSHER, L.L.P.

1615 L STREET, NW, Suite 850

WASHINGTON, DC 20043-4387

Telephone: (202) 785-0100 Facsimile: (202) 408-5200

IAP20 ROS 3707770 11 JAN 2006 DOCKET NO. SERVAL NO / 564 08 9

FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

L9289.05205

New PCT Nat'l Stage Application

APPLICANT

Jun CHENG, et al.

FILING DATE

GROUP Unassigned

6 6 9 0 0 0	DOCUMENT DOCUMENT 1 6	7 8 9 0 6	2 6 9 1 1	6 4 3 6 7	2 6 4 5	DATE 02/2004 05/2004 03/2002 03/2003 04/2004	NAME Tanada Miyoshi et al. Yoshida Horisaki Sano	CLASS	SUBCLASS	if KIPKABA	IÆ _{TE}
6 0 0 0	0 3 7 3 3 5 0 6 0 7	7 8 9 0 6	2 6 9 1 1 FOR	4 3 6 7	6 4 5 2	02/2004 05/2004 03/2002 03/2003 04/2004	Tanada Miyoshi et al. Yoshida Horisaki	CLASS	SUBCLASS	if KIPASPA	TĀTE
6 0 0 0	7 3 5 0 6 0 7	8 9 0 6	6 9 1 1 FOR	4 3 6 7	6 4 5 2	05/2004 03/2002 03/2003 04/2004	Miyoshi et al. Yoshida Horisaki				
6 :	3 5 0 6 0 7	9 0 6	9 1 1 FOR	3 6 7	4 5 2	03/2002 03/2003 04/2004	Yoshida Horisaki				
0 0	0 6 0 7	6	1 1 FOR	6 7	5	03/2003	Horisaki				
0	O 7	6	1 FOR	7	2	04/2004					
3	DOCUME		FOR	<u> </u>			Sano				
	1	NT NUMBE	-	EIGN	PAT	ENT DOCI		<u> L</u>			
	1	IT NUMBE	ER			ENT DOCK	JMENTS				
	1 6					DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI	ON
	סן ד	١,				00/0000				YES	N
3	0 0	9	0	3	6	06/2003	JP				-
2	0 6	9	5	3	1	03/2003	JP JP				H
	1 0		0	4	3						
			1								T
											Г
			0							Abstract	
HER DO	CUMEN	TS (In	cludi	ng A	utho	r, Title, Dat	e, Pertinent Pages	s, Etc.)			
T Intern	ational	Search	ı Rep	ort d	ated	November	9, 2004.				
MATSU(vel Adar titute of	OKA, et otive Mo f Electro	al.; "A dulationics ir	n Ana on Sy nform	alysis stem ation	on f " Te and	the Perforn chnical Re Communic	nance of Variable port of IEICE, RCS cation Engineer, w	Symbol 594-64, S vith Engl	Rate and Sept. 199 ish Abst	Modulatio 4, The ract, pp. 31	n I-
HARA, e chnical l ormation	et al.; "M Report on and Co	Ç-CDI f IEIC mmu	M Sys E, NS nicati	tem 2002 on E	for P -100′ ngin	acket Com I, RCS2002 eers, with E	munications Usin -129, July 2002, T inglish Abstract, _I	g Freque he Instit pp. 61-66	ency Şch ute of Ele i.	eduling," ectronics,	
MUNETA tems," Electron	A, et al.; Technic nics, Info	"Perfo al Rep rmatio	ormar oort o	ice o f IEIC d Co	f Nev E, D mmu	y Frequenc SP99-166, S nication E	cy-Domain Link Ac SAT99-121, RCS9 ngineers, pp. 99-1	daption \$ 9-171, Ja 06.	Scheme 1 in. 2000,	or OFDM The Institu	ite
	HER DO	HER DOCUMENT International STATSUOKA, et al Adaptive Motitute of Electro	HER DOCUMENTS (International Search MATSUOKA, et al.; "MC-CDI Chnical Report of IEIC primation and Communication and Com	HER DOCUMENTS (Including International Search Report of Electronics Informational Report of IEICE, NS commation and Communication and Comm	HER DOCUMENTS (Including And International Search Report de MATSUOKA, et al.; "An Analysis rel Adaptive Modulation System titute of Electronics Information HARA, et al.; "MC-CDM System chnical Report of IEICE, NS2002 permation and Communication Electronics Information Electronics Information Electronical Report of IEICE, NS2002 permation and Communication Electronics Information Electronical Report of IEICE, NS2002 permation and Communication Electronical Report of IEICE, NS2002 permation Electronical Report of IEICE, NS2002 permatical Report of IEICE, NS2002 permatical Report of IEICE, NS2002 permatical Repo	HER DOCUMENTS (Including Author T International Search Report dated MATSUOKA, et al.; "An Analysis on the ladaptive Modulation System," Te titute of Electronics Information and HARA, et al.; "MC-CDM System for Pennical Report of IEICE, NS2002-100 cormation and Communication Engine	13 1 1 0 5 1 7 04/2003 12 2 4 6 9 5 8 08/2002 11 1 0 3 0 3 2 04/2001 HER DOCUMENTS (Including Author, Title, Date of International Search Report dated November of Internation System," Technical Relative Modulation System, Technical Report of IEICE, NS2002-1001, RCS2002 or Internation and Communication Engineers, with Engineers of the Parket Communication and Communication Engineers, with Engineers of the Parket Communication and Communication Engineers, with Engineers of the Parket Communication and Communication Engineers, with Engineers of the Parket Communication and Communication Engineers, with Engineers of the Parket Communication and Communication Engineers.	13 1 1 0 5 1 7 04/2003 JP 12 2 4 6 9 5 8 08/2002 JP 11 1 0 3 0 3 2 04/2001 JP HER DOCUMENTS (Including Author, Title, Date, Pertinent Pages T International Search Report dated November 9, 2004. MATSUOKA, et al.; "An Analysis on the Performance of Variable rel Adaptive Modulation System," Technical Report of IEICE, RCs titute of Electronics Information and Communication Engineer, when the performance of Variable relations of Electronics Information and Communication Engineer, when the performance of Variable relations of Electronics Information and Communication Engineer, with English Abstract, permation and Communication Using the performance of IEICE, NS2002-1001, RCS2002-129, July 2002, Tormation and Communication Engineers, with English Abstract, permation and Communication Engineers, with English Abstract, permatical engineers.	13 1 1 0 5 1 7 04/2003 JP 12 2 4 6 9 5 8 08/2002 JP 11 1 0 3 0 3 2 04/2001 JP HER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) T International Search Report dated November 9, 2004. MATSUOKA, et al.: "An Analysis on the Performance of Variable Symbol rel Adaptive Modulation System," Technical Report of JEICE, RCS94-64, Stitute of Electronics Information and Communication Engineer, with English ARA, et al.; "MC-CDM System for Packet Communications Using Frequency Communication of JEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of English Abstract, pp. 61-66	13 1 1 0 5 1 7 04/2003 JP 12 2 4 6 9 5 8 08/2002 JP 11 1 0 3 0 3 2 04/2001 JP 12 BER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) 13 International Search Report dated November 9, 2004. 14 MATSUOKA, et al.: "An Analysis on the Performance of Variable Symbol Rate and rel Adaptive Modulation System," Technical Report of IEICE, RCS94-64, Sept. 199-199. 15 International Search Report of IEICE, NS2002-101, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 2002, The Institute of Electronical Report of IEICE, NS2002-1001, RCS2002-129, July 20	13

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.